

Operator's Manual

SYSTEM 5000™

ELECTROSURGICAL UNIT

Best Available Copy



SYSTEM 5000**1.2.8 Contact Quality Monitor**

Single dispersive electrode: Two wire continuity detector, typical trip threshold is 10 ohms
 Dual dispersive electrode: Two wire resistance monitor, typical acceptance range 10 to 150 ohms, trip threshold typically 30% higher than initial activation, visual indication of patient resistance changes.

1.2.9 Audio Specifications

Cut = 520 Hz

Coag = 440 Hz

Bipolar = 440 Hz

Acc Fault = 847 Hz (pulsating)

Dispersive Electrode Alarm = 847 Hz (pulsating)

Err Fault = 847 Hz (pulsating)

Increase Power Level = 379 Hz

Decrease Power Level = 343 Hz

(All tones are 45 dbA minimum except Alarms, which are 65 dbA minimum)

Enter Cut Remote Power Control = 440 Hz followed by 574 Hz

Enter Coag Remote Power Control = 440 Hz followed by 515 Hz

Bipolar Output Tone = 215 Hz

Pulse Cut Activation Tone = 520 Hz with periodic short pulses at 481 Hz during output power pulses

Pulse Coag Activation Tone = 440 Hz with periodic short pulses at 384 Hz

1.2.10 Other Specifications

Power Cord: All units supplied with an IEC-320 250V 10A 65°C mains inlet connector. Power cords can be ordered from CONMED Electrosurgery or obtained from other sources if the following specifications are met:

Region	Specification	Description	Standard
USA, Canada	Any UL, CSA manufacturer	SJT or better 250VAC, minimum 16AWG, 3 Conductor, maximum length 20 feet (6m)	UL817
Europe	Any HAR cord manufacturer	<HAR>H05WF3G1.0 Copper 1.0mm ² minimum cross sectional area, maximum length 20 feet or 6.0m	IEC60799

Weight: 21.5 lb. (9.75 Kg)

Height: 5.5 inches (14 cm); Width: 13.5 inches (35 cm); Depth: 21.5 inches (48 cm) including handle

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

1.2.11 Operating Modes and Nominal Output Parameters

Mode	Max Power (watts)	Rated Load (ohms)	Typical Crest Factor	Max Open Circuit Voltage (Peak)	Max Loaded Voltage (Peak)	Carrier Freq. (KHz)*	Pulse Repetition Freq. (KHz)
Monopolar							
Pure Cut	300	500	1.4 - 1.7	800	820	391	N/A
Blend 1	200	500	1.5 - 1.9	860	930	391	20.0
Blend 2	200	500	1.8 - 2.4	1100	1100	391	20.0
Blend 3	200	500	2.4 - 2.9	1480	1480	391	20.0
Pinpoint Coag	120	500	3.7 - 4.6	2120	2120	391	20.0
Standard Coag	120	500	5.6 - 6.6	3140	3500	562	39.0
Spray Coag	80	500	7.1 - 9.7	6350	6350	562	19.5
Bipolar							
Micro Coag	50	50	1.5 - 1.9	170	180	391	N/A
Macro Coag	90	300	1.6 - 2.0	610	610	391	N/A

*Measured in the open circuit condition.

• Activation of Pulse Cut will make the selected cut mode, Pure Cut, Blend 1, Blend 2, or Blend 3 active for 70 milliseconds every 600 milliseconds.

• Activation of Pulse Coag will make the selected coag mode, either Standard or Spray, active for 2.5 milliseconds every 5 milliseconds. Displayed power setting will represent the average power being delivered which is approximately half the power delivered during the pulses.

• LAP Specialty Mode output parameters match general operation parameters except the maximum voltage is limited to less than 2700 Volts peak.

• FLUIDS Specialty Mode output parameters match general operation parameters with an initial energy boost upon activation to initiate an arc.

